

Serial No. : 10/675,254  
Docket No. : 49288.0800

### Amendments To Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1. (Currently Amended) A method for injecting a liquid drug containing a ~~biological material~~ cell, comprising the step of:
  - A) injecting the liquid drug containing the ~~biological material~~ cell contained in an injector into a subject at a predetermined range of velocity wherein the predetermined range of velocity is at least about 1 ml/min, and is less than, or equal to about 20 ml/min.
2. (Currently Amended) A method according to claim 1, wherein the predetermined range of velocity maintains a biological activity of the ~~biological material~~ cell.
3. (Cancelled)
4. (Original) A method according to claim 1, wherein the predetermined range of velocity is less than about 10 ml/min.
5. (Cancelled).
6. (Currently Amended) A method according to claim 1, further comprising the step of:
  - B) accelerating the liquid drug containing the ~~biological material~~ cell at a predetermined range of acceleration to reach the predetermined range of velocity.
7. (Currently Amended) A method according to claim 6, wherein the predetermined range of acceleration maintains a biological activity of the ~~biological material~~ cell.
8. (Original) A method according to claim 6, wherein the predetermined range of acceleration is in the range of about 1 mm/sec<sup>2</sup> to about 15 mm/ sec<sup>2</sup>.
9. (Original) A method according to claim 1, wherein an inner diameter of a body of the injector is about 1 mm to about 30 mm.
10. (Original) A method according to claim 1, wherein an inner diameter of a tip tube of the injector is about 0.1 mm to about 1 mm.

Serial No. : 10/675,254  
Docket No. : 49288.0800

11-13. (Canceled)

14. (Currently Amended) A method according to claim 1, further comprising the step of:

C) decreasing a velocity of the liquid drug containing the ~~biological material cell~~ at a predetermined range of acceleration to substantially zero.

15. (Original) A method according to claim 14, wherein the absolute value of an acceleration of the decreasing velocity is in the range of about 1 mm to about 15 mm/sec<sup>2</sup>.

16. (Currently Amended) A method according to claim 1, wherein the injection is carried out for treatment ~~or prophylaxis~~ of a heart disease.

17. (Currently Amended) A method for treating an organ using a liquid drug containing a ~~biological material cell~~, comprising the step of:

A) Injecting the liquid drug containing the ~~biological material cell~~ contained in an injector into a subject at a predetermined range of velocity wherein the predetermined range of velocity is at least about 1 ml/min, and is less than, or equal to about 20 ml/min.

18-42. (Cancelled).